

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

0400  
11/21/00

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/606,977DATE: 07/12/2000  
TIME: 11:29:16Input Set : D:\Maizestcs.rpt  
Output Set: N:\CRF3\07122000\I606977.raw

1 <110> APPLICANT: Byrum, Joseph R.  
3 <120> TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
4 Plants  
6 <130> FILE REFERENCE: 38-21(15877)B  
C--> 8 <140> CURRENT APPLICATION NUMBER: US/09/606,977  
C--> 8 <141> CURRENT FILING DATE: 2000-06-28  
8 <160> NUMBER OF SEQ ID NOS: 82359  
10 <210> SEQ ID NO: 1  
11 <211> LENGTH: 280  
12 <212> TYPE: DNA  
13 <213> ORGANISM: Zea mays  
15 <223> OTHER INFORMATION: unsure at all n locations  
W--> 16 <400> SEQUENCE: 1  
18 ctctgtgtgtg gaggggtgttc ataccgcgtcg gagtaaaacc ggagttctgtg ttgtaaatggc 60  
20 accctgagta cgagtggtctg ttcattgtgg ttgtcgaagc ctgaacattt gggattttga 120  
W--> 22 agtgaatatc gngttttctt cttatttcga gcactaagac tcgctgtcg gctagctgaa 180  
24 ccgcttaacc gagcgtgagt tgccttgccg ggaaggtgac gagtgaggta tctgtattcc 240  
26 ggagcgtaaa gatttctctg gctcggtcg gcttgcccct 280  
29 <210> SEQ ID NO: 2  
30 <211> LENGTH: 360  
31 <212> TYPE: DNA  
32 <213> ORGANISM: Zea mays  
34 <400> SEQUENCE: 2  
36 agagagcgtg ccaaaataaa gttgcgggtt gatcttattt atacgcctag tgcgctgaaa 60  
38 attgaaagac cccgctcgtc agtgaatgtt gctattctag caaagggaag gtgttttttc 120  
40 ggaccttcgg cgtaaagcct tcgtccatgt cgcaatctaa atttattatt ttaaaataaa 180  
42 ttaatatgtc gaggggctac tgggtggggc cttctgctta caaaggctct caaaaacagg 240  
44 atttaacaat atttctggag tataatgtgt gagcaggat cttcggaactc aagtcggtat 300  
46 cacaacagga gaagaccaga atagtacgaa cgttgataca gcgcccaaaa tgtgaacagg 360  
49 <210> SEQ ID NO: 3  
50 <211> LENGTH: 433  
51 <212> TYPE: DNA  
52 <213> ORGANISM: Zea mays  
54 <223> OTHER INFORMATION: unsure at all n locations  
W--> 55 <400> SEQUENCE: 3  
W--> 57 agcttnggag ccgaagcaac tccagctttg tacgatttca tcagctcaga aagtggaaagt 60  
59 gagttcaccc gatgtgggag ccaatgttgg ggacttggtc tcaaagtctt cgaattaaga 120  
61 acaagacaac acaaaaatgt taagtataaa ttcccttcgt ccgctgaagc attatctccc 180  
63 caaggattta atgagcttcg gacgaaggcc ataaataaag tatcacgaag gtttcacctt 240  
65 cgtgatcata tttttaagac aacaatgaga aatgaaatat aaagcacaaa atatattcac 300  
67 atattctgtt atatgaatat acaagtattg aaacataaca ttacgaaca ttatatacctt 360  
W--> 69 catcttggca gaaaacaata atccgggcgt aacgtgtncg tgatacaaga tcgctggaac 420  
71 agtaccggga tac 433  
74 <210> SEQ ID NO: 4  
75 <211> LENGTH: 359  
76 <212> TYPE: DNA  
77 <213> ORGANISM: Zea mays

ENTERED P.5

RAW SEQUENCE LISTING                      DATE: 07/12/2000  
 PATENT APPLICATION: US/09/606,977        TIME: 11:29:16

Input Set : D:\Maizestcs.rpt  
 Output Set: N:\CRF3\07122000\I606977.raw

```

79 <400> SEQUENCE: 4
81 aactagctaa ttgatataga tccttggtga gtcgacagtt tgactttggt gatcccaacc 60
83 caaacctagc tttaaggaa tattgcctta ttaatggaat actgactaga aaacctagtt 120
85 gccaggtgta ccggaagaaa gtttattaag aataacttac tatcttctat ataactgata 180
87 ttatagcata catgagcatc atgttatgta tggctgttaa aaacaagaaa agaattgtca 240
89 aaaaacgact gaccaccgcc agactcacct gcggaatggt tatttgtttt gggacaatcc 300
91 aatcctacaa ggcatacctt ctgtgtttaa acttatactt gtgagcttag gaagagtgg 359
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 358
96 <212> TYPE: DNA
97 <213> ORGANISM: Zea mays
99 <223> OTHER INFORMATION: unsure at all n locations
W--> 100 <400> SEQUENCE: 5
102 gttttattgat gaagcaccag aagaccaatc aaggaaggaa tccatgtggg agttcgcaag 60
104 aggaaagttt gcgtgtcggc atcaatgctt ctccaataag ctatgtgcca agcgaaacct 120
W--> 106 agaagcctga agatgattcn ttgagtagcc agaatacagc ttggcaatca gcaaccagat 180
108 gctcctcaaa gaccagattt tgttgaagtt ccatctcttc gaagagtgtc aaagtgaaga 240
110 tatgtagctg aagtaaaagt ataccataa cccttctaag acgaatctcg aggacgagat 300
112 ttctttaagt ggttaggatt gtatcatccc acaaatcaaa ttctgaattt tctcaact 358
115 <210> SEQ ID NO: 6
116 <211> LENGTH: 449
117 <212> TYPE: DNA
118 <213> ORGANISM: Zea mays
120 <223> OTHER INFORMATION: unsure at all n locations
W--> 121 <400> SEQUENCE: 6
123 taaggagaaa cactgtattg tgtgaaagga aatgtgccct ttggccattt ctatgtattt 60
W--> 125 tgggtgatgg gtgccaacac aagtgcctaa gtgtgaatnt atgctcatgg ataaacaaag 120
127 cgcaaatcaa gagaaaaggt atgtttctaa gtcctagtac attggttttg tgtactaata 180
129 tacttgtcta agtgttgtaa acagaaaagta taagaaaaga gaagaggtgc aaaaagtctg 240
131 gtctggagca ccggactgtc cgggtgtgca ccggacagtg tccggtgcgc caggctgact 300
133 cggcgcgaaac tgcccgtctc caggaatatg ccgacggcgt acggctaaaaa ttcaccggac 360
135 tattccgtgt gcaccggact gtccggtgag tcaacggctc actgagccaa cggtcgagcg 420
137 cggaatctgc gcgcgacacg tggctggcc 449
140 <210> SEQ ID NO: 7
141 <211> LENGTH: 344
142 <212> TYPE: DNA
143 <213> ORGANISM: Zea mays
145 <400> SEQUENCE: 7
147 ttatgttata gtttactatc ttatgggatt ttttcaaaca agtcaacctat gccctagaaa 60
149 ttgtttctca agttgggcat aattgctttt tagatatgac taccttgaaa agacttgctt 120
151 ttatgaacaa aaatatgtaa attttgtaat cgggaggtaa gtacaaataa ttagtcaact 180
153 taaaactgca cgatgtatct acaggtacaa acctaatcaa aatgcttcta aacagcgtag 240
155 ggagtatcta tagatatgta ccactaatt agacagtgtt aggtacattt gtaaaaaaat 300
157 atatgaattt ctagggaatt aatgccttct caaatatatg aaaa 344
160 <210> SEQ ID NO: 8
161 <211> LENGTH: 186
162 <212> TYPE: DNA
163 <213> ORGANISM: Zea mays
165 <400> SEQUENCE: 8

```

RAW SEQUENCE LISTING                      DATE: 07/12/2000  
 PATENT APPLICATION: US/09/606,977        TIME: 11:29:16

Input Set : D:\Maizestcs.rpt  
 Output Set: N:\CRF3\07122000\I606977.raw

```

167 ccagtaggct actataacag tgatatcaact ttatcaatta cagatagtgga cctcacactc   60
169 ttgagggtatg attcactttt taagaagaac actatatcta aagaaaggta cccattttta   120
171 taatgcaacc gagcagtgtaa ttaagattac aaaaaattga ggagggggga aatacaattt   180
173 ccacct                                     186
176 <210> SEQ ID NO: 9
177 <211> LENGTH: 404
178 <212> TYPE: DNA
179 <213> ORGANISM: Zea mays
181 <223> OTHER INFORMATION: unsure at all n locations
W--> 182 <400> SEQUENCE: 9
W--> 184 tgggtcccta aggaaattgt tactaacctt gnaggatcca acaagagttg ggtacctaaag   60
186 acccaagcct aaatttgccct tgcagggttta tgcattccggg ggctcaagtt ggattatcga   120
188 cagcggatgc acaaaccata tgacggggga gaagaagatg ttcacctcct acgtcaagaa   180
190 taaggattcc caagattcaa tcatattcgg ggatgggaac caaagcaagg tgaagggttt   240
192 gggcaagatt gcaatatcaa atgagcactc tatctotaat gtgttttttag ttgagtctct   300
194 tggatataat ttactatctg tcagtcaatt atgtaatatg ggatattatt tgctatttac   360
196 aaatgtaaat gtgtctgtct ttataagaag tgatgggtca ctat                               404
199 <210> SEQ ID NO: 10
200 <211> LENGTH: 343
201 <212> TYPE: DNA
202 <213> ORGANISM: Zea mays
204 <223> OTHER INFORMATION: unsure at all n locations
W--> 205 <400> SEQUENCE: 10
207 ggagccgacg cattgcctca cgggagaagc gtattcactc tcgtcggact tcggtcttcc   60
209 gccgcgcgac gtggaccgag ctaaccagtg agtcttcgtc caattccttg caccacacaac   120
211 ttccctgaca tcccgtgaag ctctctcacc cgttcaattg aactatogcg ccgtgagtag   180
213 gccgactcc tcgccgccga cgagcatctc cgctgcgca cgtggaccga ccgactccaa   240
W--> 215 ccattccccga cggcgaccgg cacatcggtg tgatcctcga gaccttcct acgtctcga   300
217 ccacctcacc ggagcaatct cgccggcggt aagccctcc gcc                               343
220 <210> SEQ ID NO: 11
221 <211> LENGTH: 392
222 <212> TYPE: DNA
223 <213> ORGANISM: Zea mays
225 <223> OTHER INFORMATION: unsure at all n locations
W--> 226 <400> SEQUENCE: 11
W--> 228 tgcaagcttc ggctatgtct aannaattgg cagttaaaca atgcaatagc aatgaatgct   60
W--> 230 gtggtaactt cacacctacc cgtctgttta tatagtgccc cangtgggaa ggtgaatcgg   120
232 caaggtctcc agcacccaac aaacagtcac ccgcactcac tgagcgggtg gccacagggt   180
234 tcgagaaggt gaatcgctgg cgcgcgcgta attggtgcaa gatggggcgc gcgcgacgat   240
236 tattttaatc gtttctcgcc aacgagctca gggaagggtg tttttggatc ttcggcgctc   300
238 cgaagcctag aagacttttt cacggatcaa gctcgttacg aaaaacgac tatcacccgc   360
240 aatgggctac ttgtgggggt attgcttcgt ac                               392
243 <210> SEQ ID NO: 12
244 <211> LENGTH: 447
245 <212> TYPE: DNA
246 <213> ORGANISM: Zea mays
248 <223> OTHER INFORMATION: unsure at all n locations
W--> 249 <400> SEQUENCE: 12
W--> 251 tctaaaggga gaacacgtga taggtttgac taacgtgcat ttcgaanaag atagaccttg   60

```

RAW SEQUENCE LISTING                      DATE: 07/12/2000  
 PATENT APPLICATION: US/09/606,977      TIME: 11:29:16

Input Set : D:\Maizestcs.rpt  
 Output Set: N:\CRF3\07122000\I606977.raw

```

253 tgcagcttat caagcaggta aacaagtggg aggagcacat cacagcaaga acgtgatgac 120
255 cacttcaaga cccctggagc tgctgcatat ggacctcttc ggacctgtcg cctatctgag 180
257 cataggagga agtaagtatg gtttagttat tgttgatgac ttttcccgtc tcaacttgggt 240
259 gttctttttg caggaaaaat ccgaaaccca agggactctc aaacgcttcc tcaggagagc 300
261 tcaaaatgag tttgagctca aagtgaataa gataagaagc gacaacgggt ccgagttcaa 360
263 gaaccttcaa gtggaggagt tccttgaaga ggaagggatc aagcacgagt tctccgtccc 420
265 tacacaccac agcaaaatgg tgtggta 447
268 <210> SEQ ID NO: 13
269 <211> LENGTH: 341
270 <212> TYPE: DNA
271 <213> ORGANISM: Zea mays
273 <400> SEQUENCE: 13
275 tcagacatgc ttttgtttaa acctactttg tcagaagaaa agcttctgaa taaaaagttt 60
277 ttagttccca agaaattcag aattaaatgg ccagagtgtg ctctaccgct agagttgagc 120
279 gtgagggagg cgaaccgaa tgagcggaga ctgttcttat ctccgaagcg atgcaacgat 180
281 ccggactggg gacctctgaa ggaatccgta ctgccgagac agagcagact gttgccgaga 240
283 cagaataagt tgtcgccgaa gcggaagaag gaaatattga ggaagctgat tccgatgatg 300
285 attaccatat tgcggtgccca agcaagccca gccacttga c 341
288 <210> SEQ ID NO: 14
289 <211> LENGTH: 418
290 <212> TYPE: DNA
291 <213> ORGANISM: Zea mays
293 <400> SEQUENCE: 14
295 actaacgctt actcacgcgc cactactaca acttactgac tctggattta ctctcaattt 60
297 gaagcgacgc agtggagtgt gcataatgtc tcgtttgatg caatgaggta aaccggttgc 120
299 atattttact gaaaaatcga atggccatgt tcttaatatc tctacttatg ataaagaatt 180
301 atatgctctc atacgatctt tgcaaacatg gaaacattat ttgcggtcta acgaatctgt 240
303 tattcatitt gatcatgagt cacttaagca tcttcgtagt caaacaaatc tgaaccgtag 300
305 acatgccaa ggggtagaat ttcttgaacc tttctcttac atcattaaat ataaaaaggg 360
307 gaatgataat tggattgccg atgctttgtc tagacgctat gctatgttgt ctacttg 418
310 <210> SEQ ID NO: 15
311 <211> LENGTH: 380
312 <212> TYPE: DNA
313 <213> ORGANISM: Zea mays
315 <400> SEQUENCE: 15
317 catgcaagct tctccttgtc atcatcaatc ttgttataga accactccga cttccagcct 60
319 gctgccattt tgttccggta actgattaca ggaaactttg tggttttccg ataggcgaaa 120
321 ttatagcaac caaaattgtc gtgcaatcca tcctttctag ccttcgtctg ataatgcagc 180
323 tcgtgaaccg gcgaaaagct gtccgcaaat ggctccactg cttggcttcg gagtgccag 240
325 atataaacac taagcctaac gatagcgtta ggggtcagct ggtgaaaata gataccgaac 300
327 ctcttcagta cctctgcaat aatcccatgt agggggaatc ttaatccagc ctttagaaag 360
329 attttgaaat aacaatttca 380
332 <210> SEQ ID NO: 16
333 <211> LENGTH: 427
334 <212> TYPE: DNA
335 <213> ORGANISM: Zea mays
337 <400> SEQUENCE: 16
339 tgtgcaagt ccaactgagc taactttcgg agaaacccta cccactgca acatgacacc 60
341 agagggtcaa actcaacggg caatggatga attcagaatc attgcagagc atattggtat 120

```

RAW SEQUENCE LISTING                      DATE: 07/12/2000  
 PATENT APPLICATION: US/09/606,977                      TIME: 11:29:16

Input Set : D:\Maizestcs.rpt  
 Output Set: N:\CRF3\07122000\I606977.raw

```

343 cacggatctg gttcaagaat tcttagcatt caaagtcttc cctactctga aaaaatggga 180
345 aatgccaaag ttaaagggg agaagaagga aggggatctt gtccggcttc cttaccactt 240
347 caaatccaag aaatatTTta agaagccctg ccaagagtgg ctggatacag ttgaggtgat 300
349 gtgtaaatgaa attcttgtaa attattcgaa aaaagaagat caactgatga cagcagcctt 360
351 ctgcacccgt cccaagcgaa ggctgaaccg agtgcttgat gcactgggtt tcgaatatcc 420
353 tgattat 427
356 <210> SEQ ID NO: 17
357 <211> LENGTH: 211
358 <212> TYPE: DNA
359 <213> ORGANISM: Zea mays
361 <223> OTHER INFORMATION: unsure at all n locations
W--> 362 <400> SEQUENCE: 17
W--> 364 ntgccacaa tggcgcaaa atatacctca tgaacttttt atcactgtca ggtactacgg 60
366 tctagggcac tccatgtagt ttcaagattt ctgtgatcaa taaataggcg atgtgtgaag 120
368 catcctcatt cttgttgcat ctaatactct gaaccatttt cgggaatctc tcattccaaa 180
370 caaaaatgct atgtctcttt ttttgagacc t 211
373 <210> SEQ ID NO: 18
374 <211> LENGTH: 390
375 <212> TYPE: DNA
376 <213> ORGANISM: Zea mays
378 <223> OTHER INFORMATION: unsure at all n locations
W--> 379 <400> SEQUENCE: 18
381 agctggcagc tgcgcgtgc ccctgctctt actgcgtctc tctcatactc tccctgcgtc 60
383 cctgctcgtt tctgctgctc gccggccgga aacttcctcc tgcgcgtgga gccctccag 120
385 ccgcgtctcc tcagttcctc tgcgcgtcgc gccgcgccag ctcattctcc tctctctgctc 180
387 acgcacgaag ttttccctgc gtcggcctcc tgcgcgcaaa gatcttcggt gccgcgcgcgc 240
W--> 389 acgaatncat gctgcgcgcg cgccccagct cactcccta gctcgtcttt tgtttctctg 300
391 cagcgtcgtc catggcaagt cgtcgtctgt ccccatcgcg ccatcgattc cgtttgagcc 360
393 ccttcgcggt tttgatgccc ccctggctcg 390
396 <210> SEQ ID NO: 19
397 <211> LENGTH: 373
398 <212> TYPE: DNA
399 <213> ORGANISM: Zea mays
401 <400> SEQUENCE: 19
403 cttcagccat tctagcagct tctgggctcc catgaatagc aatacgccct tgatccgaac 60
405 gtatattcat gcatagatat gctggatgaa gaattgcttt aatgcgttga gtgttctgcg 120
407 accaagcact gcattgtagg ggtatttcat gtcaacaata tcaaacacaa cctgttaact 180
409 tcttgatttg tggacaaatc cgaagggtac tgacatcgcg atcttgccaa gagatacaat 240
411 ctgcctttct ccaaaaccac aaagagggtg tgtagcatca tggatcttat actatagctc 300
413 ttgcattttg ctaaaggcct tacaatatat atatcgggtg cactgtatga ttaaccacaa 360
415 caatgtggac tat 373
418 <210> SEQ ID NO: 20
419 <211> LENGTH: 400
420 <212> TYPE: DNA
421 <213> ORGANISM: Zea mays
423 <223> OTHER INFORMATION: unsure at all n locations
W--> 424 <400> SEQUENCE: 20
426 cacaactatt gcgcattagc ctatgtcatt ggtctttaat gctaccctac atggcatggt 60
428 tccttactca tatggggttt taggcaccga tctattaaga attctattaa agatatgagc 120

```

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

✓ Pys I

VERIFICATION SUMMARY                      DATE: 07/12/2000  
 PATENT APPLICATION:    US/09/606,977              TIME: 11:29:17

Input Set : D:\Maizestcs.rpt  
 Output Set: N:\CRF3\07122000\I606977.raw

L:8 M:270 C: Current Application Number differs, Replaced Current Application No  
 L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:16 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:22 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
 L:22 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1  
 L:22 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1  
 L:22 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1  
 L:55 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:57 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3  
 L:57 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
 L:57 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
 L:57 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3  
 L:69 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3  
 L:69 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3  
 L:69 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3  
 M:340 Repeated in SeqNo=3  
 L:100 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:106 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5  
 L:106 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5  
 L:106 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5  
 L:106 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5  
 L:121 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:125 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6  
 L:125 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6  
 L:125 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6  
 L:125 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:6  
 L:182 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:184 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9  
 L:184 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9  
 L:184 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9  
 L:184 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9  
 L:205 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:215 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10  
 L:215 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:10  
 L:215 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10  
 L:215 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10  
 L:226 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:228 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:11  
 L:228 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11  
 L:228 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
 L:228 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11  
 L:230 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:11  
 L:230 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11  
 L:230 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
 M:340 Repeated in SeqNo=11  
 L:249 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:251 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12  
 L:251 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:12

## VERIFICATION SUMMARY

DATE: 07/12/2000

PATENT APPLICATION: US/09/606,977

TIME: 11:29:17

Input Set : D:\Maizestcs.rpt

Output Set: N:\CRF3\07122000\I606977.raw

L:251 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12  
 L:251 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12  
 L:362 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:364 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:17  
 L:364 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:17  
 L:364 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17  
 L:364 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17  
 L:379 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:389 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:18  
 L:389 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:18  
 L:389 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:18  
 L:389 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:18  
 L:424 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:436 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:20  
 L:436 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:20  
 L:436 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:20  
 L:436 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:20  
 L:447 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:461 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:21  
 L:461 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:21  
 L:461 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21  
 L:461 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:21  
 L:472 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:478 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:22  
 L:478 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:22  
 L:478 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22  
 L:478 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:22  
 L:517 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:527 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:24  
 L:527 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:24  
 L:527 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24  
 L:527 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:24  
 L:540 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:554 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:25  
 L:554 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:25  
 L:554 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:25  
 L:565 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:567 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:26  
 M:340 Repeated in SeqNo=26  
 L:606 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:614 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:28  
 L:625 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:627 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:29  
 L:670 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:672 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:31  
 M:340 Repeated in SeqNo=31  
 L:693 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:695 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:32  
 M:340 Repeated in SeqNo=32



## VERIFICATION SUMMARY

DATE: 07/12/2000

PATENT APPLICATION: US/09/606,977

TIME: 11:29:17

Input Set : D:\Maizestcs.rpt

Output Set : N:\CRF3\07122000\I606977.raw

L:716 M:283 W: Missing Blank Line separator, <400> field identifier  
L:718 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:33  
L:741 M:283 W: Missing Blank Line separator, <400> field identifier  
L:753 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:34  
L:764 M:283 W: Missing Blank Line separator, <400> field identifier  
L:766 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:35  
L:861 M:283 W: Missing Blank Line separator, <400> field identifier  
L:875 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:40  
L:908 M:283 W: Missing Blank Line separator, <400> field identifier  
L:918 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:42  
L:933 M:283 W: Missing Blank Line separator, <400> field identifier  
L:937 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:43  
M:340 Repeated in SeqNo=43  
L:1014 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1018 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:47  
L:1033 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1045 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:48  
L:1054 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1058 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:49  
M:340 Repeated in SeqNo=49  
L:1099 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1107 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:51  
M:340 Repeated in SeqNo=51  
L:1124 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1126 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:52  
L:1171 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1175 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:54  
L:1240 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1250 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:57  
M:340 Repeated in SeqNo=57  
L:1281 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1283 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:59  
M:340 Repeated in SeqNo=59  
L:1326 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1328 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:61  
L:1349 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1363 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:62  
L:1374 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1388 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:63  
L:1529 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1531 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:70  
L:1576 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1580 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:72  
L:1601 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1603 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:73  
L:1672 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1695 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1720 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1777 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY                      DATE: 07/12/2000  
PATENT APPLICATION:    US/09/606,977              TIME: 11:29:17

Input Set : D:\Maizestcs.rpt  
Output Set: N:\CRF3\07122000\I606977.raw

L:1800 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1823 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1934 M:283 W: Missing Blank Line separator, <400> field identifier  
L:1975 M:283 W: Missing Blank Line separator, <400> field identifier  
L:2018 M:283 W: Missing Blank Line separator, <400> field identifier  
L:2107 M:283 W: Missing Blank Line separator, <400> field identifier